Creating the next generation of high-capability, high-speed Internet technologies

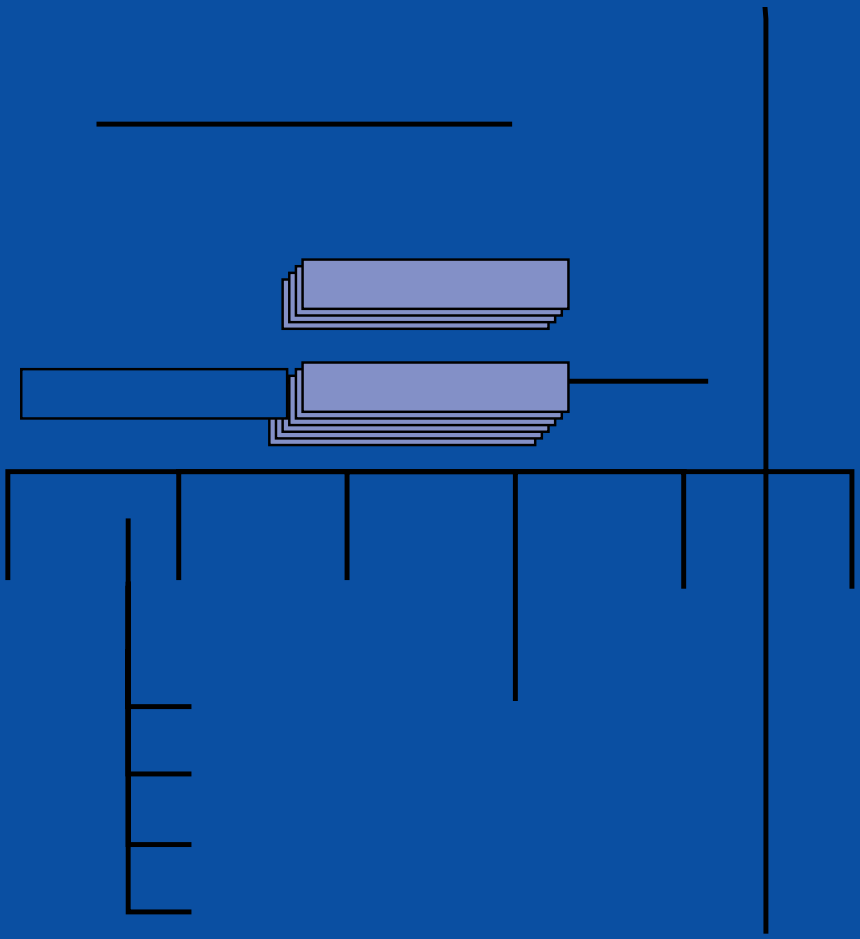
The NGI Initiative is a multi-agency Federal program that conducts R&D in:

- Advanced networking technologies to enable an Internet that is:
  - Fast
  - Reliable
  - Secure
  - Affordable
  - Ubiquitous
  - Intelligent

Conduct R&D in advanced end-to-end networking technologies to improve performance in:

- Reliability
- Security
-

How the Next Generation Internet (NGI) Initiative is Coordinated



The NGI Initiative is coordinated by the Large Scale Networking (LSN)

DESCRIPTION

A search and retrieval application, Broadcast News Navigator indexes, summarizes and displays recorded broadcast news stories.

SPONSORS

Defense Advanced Research Projects Agency (DARPA)

PERFORMERS

- The MITRE Corporation
- DARPA
- National Security Agency (NSA)

USERS & USES

Government agencies and broadcasters identify and view news stories on issues, people, organizations, and locations of interest.

MILESTONES & ACCOMPLISHMENTS

Recent integration of geospatial visualization capabilities, English and foreign language processing systems, and user visualization evaluations.

NG[CONTRIBUTION

Access to user groups with advanced networking capabilities who can evaluate

DESCRIPTION

With the Distributed Image Spreadsheet (DISS), scientists visualize, manipulate, and analyze massive geologic, atmospheric, and oceanographic data sets transmitted to their desktops from Earth Observing System satellites.

SPONSORS

National Aeronautics and Space Administration (NASA):
Goddard Space Flight Center

PARTNERS

- NASA: Goddard Space Flight Center – Ames Research Center
- National Oceanic and Atmospheric Administration (NOAA): Hurricane Research Division
- University of Missouri – Columbia

USERS AND USES

Government agencies, universities, corporations, and weather services use DISS data for atmospheric, oceanographic, biospheric, and land use studies.

NGI CONTRIBUTIONS

DESCRIPTION

PERFORMERS

- ¥
- ¥
- ¥

SPONSORS

- ¥

¥

DESCRIPTION

The Geophysical Fluids Dynamics Laboratory (GFDL) Hurricarucs nB9rediction

DESCRIPTION

Collaborative robotic arc welding brings engineers and equipment at a welding

DESCRIPTION

Synergizing two technologies Ñ digital libraries and geographic information technologies Ñ GeoWorlds retrieves, organizes, and displays everything known about a region in rich displays, allowing teams of users in disparate locations to collaboratively assess disaster situations and develop appropriate responses.

SPONSOR

Defense Advanced Research Projects Agency (DARPA)

PERFORMERS

- University of Southern California: Information Sciences Institute
  Department of Geography
-

DESCRIPTION

- *NIST Net* emulates arbitrary performance characteristics of complex IP networks, enabling controlled anRk -9rroducible Qoo sensitivity x er

DESCRIPTION

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